

**DRUG PRESCRIBING PATTERN WITH COST ANALYSIS AND
MONITORING OF ADVERSE DRUG REACTIONS IN
DEPARTMENT OF DERMATOLOGY :A PROSPECTIVE
OBSERVATIONAL STUDY**

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Background :

Dermatological conditions account for upto 2% of consultations in general practice worldwide . Skin disease in developing countries have a serious impact on the quality of life .The pattern of drug use in a hospital setting need to be monitored to offer feedback to prescribers.

Aims and objectives:

To assess the prescribing pattern of drugs, their cost and adverse reactions in the outpatient department of dermatology of a tertiary care hospital.

Materials and Methods:

A cross-sectional study was done for a period of one year (between February 2016 to January 2017) at outpatient department of

Medicine, Sree Mookambika Institute of Medical Sciences, Kulasekharam , Kanyakumari District, Tamil Nadu. Data was collected by reviewing the OPD cards and prescription data . Average cost per prescription was calculated.

Results:

171 prescriptions were evaluated during the study period. Female preponderance was higher in all age groups. The mean age group of study population using dermatological drugs was 38.67 years . Eczema was the commonest dermatological condition . Antifungals were the most commonly prescribed class of drugs. Average number of drug per prescription was 2.78 and only 40.67 % of drugs were prescribed by generic name .The percentage of antibiotics prescribed was 14.61% .The total average cost per encounter per day was calculated to be Rs. 280.01/- . Based on WHO causality assessment scale , 50% of ADRs were possible .

Conclusion:

This drug utilization study gives an perception to the prescriber regarding various issues related to prescribing pattern , cost analysis , prevalent disease pattern in the region and adverse reaction profile of drugs prescribed in dermatology department . A great majority of the drugs were prescribed in brand names . Drugs should be prescribed in their generic name to avoid confusion and to minimize the costs.

Keywords : Prescribing pattern ,Cost analysis, Dermatology